#### **ENVIRONMENTAL CHEMISTS**

Date of Report: 06/15/00 Date Received: 06/02/00

Project: Metro Self Monitor, PO# M64274

Date Extracted: 06/09/00 Date Analyzed: 06/12/00

## RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Results Reported as mg/L (ppm)

Sample ID	<u>Chro</u>	<u>mium                                   </u>	opper	<u>Nickel</u>	<u>Zinc</u>
Laboratory ID					
M64274	0	.22	0.05	0.06	< 0.05
006010-01					
Method Blank	<0	.05	<0.05	< 0.05	< 0.05

#### **ENVIRONMENTAL CHEMISTS**

Date of Report: 06/15/00 Date Received: 06/02/00

Project: Metro Self Monitor, PO# M64274

# QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 006010-01 (Duplicate)

	선생들이 보았습니다 나를 하는 것		AND ASSESSED	Relative		
	Reporting	Sample	Duplicat	te Percent	Acceptanc	e
Analyte	Units	Result	Result	Difference	Criteria	
Chromium	mg/L (ppm)	0.22	0.21	5	0-20	
Copper	mg/L (ppm)	0.05	0.05	0	0-20	
Nickel	mg/L (ppm)	0.06	0.05	18	0-20	Section
Zinc	mg/L (ppm)	< 0.05	< 0.05	nm	0-20	153

Laboratory Code: 006010-01 (Matrix Spike)

8		Reporting	Spike	Sample	% Recover	y % Recovery	Acceptance	RPD
8.12	Analyte	Units	Level	Result	MS	MSD	Criteria	11, 15
	Chromium	mg/L (ppm)	5	0.22	102	107	80-120	5
	Copper	mg/L (ppm)	5	0.05	97	97	80-120	0
	Nickel	mg/L (ppm)	10	0.05	93	100	80-120	7
	Zinc	mg/L (ppm)	5	< 0.05	91	106	80-120	15

Laboratory Code: Laboratory Control Sample

		Reporting	Spike	% Recov	ery % Recov	ery	Acceptance		
Analyte	. 1 5	Units	Level	LCS	LCSI	)	Criteria	RP	D
Chromium		mg/L (ppm)	5	103	104		80-120	1	
Copper		mg/L (ppm)	5	102	103	#A.7 A.7	80-120	1	
Nickel		mg/L (ppm)	10	98	99		80-120	1	
Zinc		mg/L (ppm)	5	96	99	- Thij	80-120	3	

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

FRIEDMAN & BRUYA, INC. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282

006010

## SAMPLE CHAIN OF CUSTO

TODY

Send Report To. Company Address 625 City, State, Zip Send	HAN COPF	pen War 87 98/34			PERAED A.	Thompson
Phone # 706-382	-8379	FAX #	206-3	382-4309	Date 6-2	-02
SITE NO.		PROJI	BCT NAME	3	PURCHASE OR	DER#
7238		metro Gi	red	n	164274	
SAMPLERS (signature)					PROJECT LOCA	TION
Sul 5/						Ave S.
REMARKS				SA	MPLE DISPOSAL IN	
					Dispose after 30	days
					Return Samples Call for Instruction	one
	Date/Time	Type of	# of	Lab	Analy	
Sample #	Sampled	Sample	Jars	Sample #	Reque	
M64274	6/2/00 9:70	HIO	/	01	CK Cu	ili ZN
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SIGNATURE	P	RINT NAME		COMPANY	Date	Time
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Received by:	KRISH			FBI	6-2-00	10.,500
Relinquished by:						
Received by:						

FORMS/COC

05/08/00

#### **ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

June 15, 2000

### **DUPLICATE COPY**

#### INVOICE #00ACU0615-2

Accounts Payable Alaskan Copper Works 628 South Hanford St. Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M64274 - Results of testing requested by Gerry Thompson for material submitted on June 2, 2000.

FEDERAL TAX ID (b) (6)

#### **ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

June 15, 2000

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford St. Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on June 2, 2000 from your Metro Self Monitor, PO# M64274 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Kate Trafton

Kate Traf

Project Manager

Enclosures ACU0615R.DOC